

# **PHILIPPINE BIDDING DOCUMENTS**

## **Dredging and Reclamation Project at Port Irene – Phase II Third (3<sup>rd</sup>) Attempt (CEZA\_CW-11-01-2022)**

Government of the Republic of the Philippines

**CAGAYAN ECONOMIC ZONE AUTHORITY**

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# TABLE OF CONTENTS

<b>Glossary of Terms, Abbreviations, and Acronyms.....</b>	<b>4</b>
<b>Section I. Invitation to Bid .....</b>	<b>7</b>
<b>Section II. Instructions to Bidders.....</b>	<b>10</b>
1. Scope of Bid .....	11
2. Funding Information .....	11
3. Bidding Requirements.....	11
4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices .....	11
5. Eligible Bidders.....	12
6. Origin of Associated Goods .....	12
7. Subcontracts .....	12
8. Pre-Bid Conference.....	12
9. Clarification and Amendment of Bidding Documents.....	12
10. Documents Comprising the Bid: Eligibility and Technical Components.....	13
11. Documents Comprising the Bid: Financial Component .....	13
12. Alternative Bids .....	13
13. Bid Prices .....	14
14. Bid and Payment Currencies.....	14
15. Bid Security.....	14
16. Sealing and Marking of Bids.....	14
17. Deadline for Submission of Bids .....	15
18. Opening and Preliminary Examination of Bids .....	15
19. Detailed Evaluation and Comparison of Bids .....	15
20. Post Qualification.....	15
21. Signing of the Contract .....	16
<b>Section III. Bid Data Sheet.....</b>	<b>17</b>
<b>Section IV. General Conditions of Contract .....</b>	<b>22</b>
1. Scope of Contract.....	23
2. Sectional Completion of Works .....	23
3. Possession of Site.....	23
4. The Contractor’s Obligations.....	23
5. Performance Security .....	24
6. Site Investigation Reports .....	24

7.	Warranty.....	24
8.	Liability of the Contractor.....	24
9.	Termination for Other Causes.....	24
10.	Dayworks .....	25
11.	Program of Work.....	25
12.	Instructions, Inspections and Audits .....	25
13.	Advance Payment.....	25
14.	Progress Payments .....	25
15.	Operating and Maintenance Manuals.....	25
<b>Section V. Special Conditions of Contract.....</b>		<b>27</b>
<b>Section VI. Specifications .....</b>		<b>29</b>
<b>Section VII. Drawings.....</b>		<b>30</b>
<b>Section VIII. Bill of Quantities .....</b>		<b>39</b>
<b>Section IX. Checklist of Technical and Financial Documents.....</b>		<b>40</b>

# *Glossary of Terms, Abbreviations, and Acronyms*

**ABC** – Approved Budget for the Contract.

**ARCC** – Allowable Range of Contract Cost.

**BAC** – Bids and Awards Committee.

**Bid** – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

**Bidder** – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

**Bidding Documents** – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**CDA** – Cooperative Development Authority.

**Consulting Services** – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

**Contract** – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

**Contractor** – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

**CPI** – Consumer Price Index.

**DOLE** – Department of Labor and Employment.

**DTI** – Department of Trade and Industry.

**Foreign-funded Procurement or Foreign-Assisted Project** – Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

**GFI** – Government Financial Institution.

**GOCC** – Government-owned and/or –controlled corporation.

**Goods** – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

**GOP** – Government of the Philippines.

**Infrastructure Projects** – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PCAB** – Philippine Contractors Accreditation Board.

**PhilGEPS** - Philippine Government Electronic Procurement System.

**Procurement Project** – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**UN** – United Nations.

## ***Section I. Invitation to Bid***



## **Dredging and Reclamation Project at Port Irene – Phase II Third (3<sup>rd</sup>) Attempt (CEZA\_CW\_11-01-2022)**

1. The **Cagayan Economic Zone Authority (CEZA)**, through the **General Appropriations Act (GAA) 2022** intends to apply the sum of **Two Hundred Twenty-Eight Million Eight Hundred Forty-Four Thousand Pesos Only (₱ 228,844,000.00)** being the Approved Budget for the Contract (ABC) to payments under the contract for **Dredging and Reclamation Project at Port Irene – Phase II (Third (3<sup>rd</sup>) Attempt) (CEZA\_CW\_11-01-2022)**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The **CEZA** now invites bids for the above Procurement Project. Completion of the Works is required **within 360 days**. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidders must have a track record of having completed a similar project within the last five (5) years from the date of submission and receipt of bids. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.
4. Bidding will be conducted through open competitive bidding procedures using non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
5. Interested bidders may obtain further information from **CEZA BAC Secretariat** and inspect the Bidding Documents at the address given below from **8:00 Am to 5:00 PM Monday to Friday**.
6. A complete set of Bidding Documents may be acquired by interested bidders on **November 28, 2022** from given address and website/s below **Fifty Thousand Pesos Only (₱ 50,000.00)**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees that shall be presented in person, by facsimile, or through electronic means.
7. The **CEZA** will hold a Pre-Bid Conference on **December 6, 2022, 10:00 AM at 10th Floor Greenfield Tower, Mayflower and Williams Sts., Highway Hills, Mandaluyong City, Metro Manila and through video conferencing via Zoom (link will be available before the Pre-Bid conference at <https://www.ceza.gov.ph>)**, which shall be open to prospective bidders.
8. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below on or before **December 19, 2022, 5:00 PM**. Late bids shall not be accented.



10th floor Greenfield Tower, Mayflower corner Williams Streets,  
Greenfield District, Mandaluyong City, Metro Manila, Philippines 1550  
Tel. (+632)8291-6704 to 08  
Email: [info@ceza.gov.ph](mailto:info@ceza.gov.ph) Website: [www.ceza.gov.ph](http://www.ceza.gov.ph)  
Cagayan Offices: Centro, Santa Ana, Cagayan 3514 - Tel. (+6378) 395-4832 / 4828  
Regional Government Center, Carig Sur,  
Tuguegarao City, Cagayan 3500 - Tel. (+6378) 395-4844 / 4080





9. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.
10. Bid opening shall be on **December 20, 2022, 10:00 AM** at the given address below and ***through video conferencing via Zoom (link will be available before the Pre-Bid conference at <https://www.ceza.gov.ph>***). Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
11. The **CEZA** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

**The BAC SECRETARIAT**

CEZA Mandaluyong Office

10th Floor, Greenfield Tower, Mayflower St. and Williams Sts.,

Greenfield District, Brgy. Highway Hills, Mandaluyong City

Tel Nos. (+632) 8291-6704 to 08 Loc. 341 or 491

*[bacsecretariat@ceza.gov.ph](mailto:bacsecretariat@ceza.gov.ph)*

13. You may visit the following websites:

For downloading of Bidding Documents:

*<https://www.philgeps.gov.ph>; and*

*<https://ceza.gov.ph/bids-and-awards>*

**November 25, 2022**

**(Sgd.) DHART E. CARPIO**  
BAC Chairperson

## ***Section II. Instructions to Bidders***

## 1. Scope of Bid

The Procuring Entity, **Cagayan Economic Zone Authority (CEZA)** invites Bids for the **Dredging and Reclamation Project at Port Irene – Phase II (Third (3<sup>rd</sup>) Attempt)**, with Project Identification Number **CEZA\_CW\_11-01-2022**.

The Procurement Project (referred to herein as “Project”) is for the construction of Works, as described in Section VI (Specifications).

## 2. Funding Information

2.1. The GOP through the source of funding as indicated below for **General Appropriations Act (GAA) 2022** in the amount of **Two Hundred Twenty-Eight Million Eight Hundred Forty-Four Thousand Pesos Only (₱ 228,844,000.00)**.

2.2. The source of funding is:

**NGA, the General Appropriations Act or Special Appropriations.**

## 3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manual and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or invitation to bid by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

## 4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

## 5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA's CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.  
  
A contract is considered to be "similar" to the contract to be bid if it has the major categories of work stated in the **BDS**.
- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

## 6. Origin of Associated Goods

There is no restriction on the origin of Goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN.

## 7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.

The Procuring Entity has prescribed that:

**Subcontracting is not allowed.**

## 8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address **10<sup>th</sup> Floor, Greenfield Tower, Mayflower St. cor. Williams St., Greenfield District, Mandaluyong City** and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

## 9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the

**IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

## **10. Documents Comprising the Bid: Eligibility and Technical Components**

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid special PCAB License in case of Joint Ventures, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.
- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.
- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

## **11. Documents Comprising the Bid: Financial Component**

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

## **12. Alternative Bids**

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

### **13. Bid Prices**

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

### **14. Bid and Payment Currencies**

14.1. Bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

14.2. Payment of the contract price shall be made in:

**Philippine Pesos.**

### **15. Bid Security**

15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

15.2. The Bid and bid security shall be valid until **May 4, 2023**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

### **16. Sealing and Marking of Bids**

Each Bidder shall submit one (1) original and two (2) copies of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission to the given website or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be

opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

## **17. Deadline for Submission of Bids**

The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

## **18. Opening and Preliminary Examination of Bids**

18.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

18.2. The preliminary examination of Bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

## **19. Detailed Evaluation and Comparison of Bids**

19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.

19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

## **20. Post Qualification**

Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS), and other appropriate licenses and permits required by law and stated in the **BDS**.

## **21. Signing of the Contract**

The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.



## ***Section III. Bid Data Sheet***

# Bid Data Sheet

ITB Clause		
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:  Design and Construction of Port or Off-shore Related Infrastructures.	
7.1	<b>Sub-contracting is not allowed</b>	
10.3	PCAB License “A” with Category Medium B for (GE-5) Port, Harbor or Offshore Engineering	
10.4	The key personnel must meet the required minimum years of experience set below:	
	<b>Key Personnel</b>	<b>General Experience (years)</b>
	Project Manager (Licensed Civil Engineer)	25
		<ul style="list-style-type: none"> <li>• At least minimum 15 years of experience as Project Manager in General Engineering with Specialization in the Construction of Ports and Marine Civil Work Projects of which, a minimum of 15 years of experience in Port Project(s).</li> <li>• In addition, has also managed/supervised a construction project with a minimum amount of Php200M.</li> <li>• Currently employed with the company for at least five (5) years.</li> </ul>
	Project Engineer (Licensed Civil Engineer)	15
		<ul style="list-style-type: none"> <li>• At least 10 years of experience as Project Engineer in General Engineering with Specialization in the Construction of Ports and Marine Civil Work Projects of which, a minimum of 10 years of experience in Port Project(s).</li> <li>• In addition, has also managed/supervised a construction project with a minimum amount of Php200M.</li> <li>• Currently employed with the company for at least two (2) years.</li> </ul>

Structural Engineer (Licensed Civil Engr.)	15	<ul style="list-style-type: none"> <li>• At least 12 years of design experience as Principal Structural Engineer and at least a PhD in Civil Engineering related to Structural Engineering.</li> <li>• Must be involved in five (5) maritime projects</li> </ul>
Coastal Engineer	3	<ul style="list-style-type: none"> <li>• Coastal engineer with PhD in Coastal Engineering</li> </ul>
2 – Junior Engr/Field Engr. (Licensed Civil Engineer)	3	<ul style="list-style-type: none"> <li>• At least 3 years of experience as Junior Engineer/ Field Engineer in General Engineering with Specialization in the Construction of Ports and Marine Civil Work Projects of which, a minimum of 3 years of experience in Port Project(s).</li> <li>• In addition, has also managed/supervised a construction project with a minimum amount of Php100M.</li> <li>• Currently employed with the company for at least one (1) year.</li> </ul>
Geodetic Engineer (Licensed Geodetic Engr.)	5	<ul style="list-style-type: none"> <li>• With at least 3 years of related experience</li> </ul>
Materials Engineer II (DPWH Accredited)	3	<ul style="list-style-type: none"> <li>• With at least 3 years of related experience</li> </ul>
Safety Officer	3	<ul style="list-style-type: none"> <li>• With at least 3 years of related safety experience and had attended at least 40 hours of Construction Occupational Safety and Health (COSH) training from DOLE and with at least one (1) year experience.</li> </ul>
General Foreman	25	<ul style="list-style-type: none"> <li>• With at least 15 years of related Construction of Ports and Civil Works Projects.</li> </ul>
Marine Civil Works Foreman	15	<ul style="list-style-type: none"> <li>• With at least 10 years of related in the Construction of Ports and Marine Civil Works Projects</li> </ul>
Certified Scuba Diver	3	<ul style="list-style-type: none"> <li>• With at least 3 years of related experience</li> </ul>

10.5	The minimum major equipment requirements are the following:			
	<b>QTY</b>	<b>UNIT</b>	<b>DESCRIPTION</b>	<b>REMARKS</b>
1	unit		Grab Dredger with minimum capacity; 2000 DWT Steel Barge, Marine Crane with attachment of two (2) units - three (3) cu.m clamshell grab; two (2) units - two and a half (2.50) cu.m Orange Peel Grab; One (1) unit - seven (7) ton Rock Crusher and a seven hundred (700) cu.m Cargo Hold Capacity	Owned
1	unit		Barge Crane with minimum capacity; 1000 DWT Steel Barge, 150 tonner crane with lattice type boom	Owned
1	unit		Material Barge (2000 DWT)	Owned
1	unit		Tugboat (1200 hp)	Owned
1	unit		Tugboat (700 hp)	Owned
1	unit		Service boat / outboard motor (40 HP engine minumum capacity)	Owned
1	unit		Rough Terrain Crane (25-ton minimum capacity)	Owned
1	unit		Service Boomtruck	Owned
4	units		Backhoe (0.90-cu.m capacity)	Owned
2	unit		Payloader	Owned
4	units		Dumptruck	Owned
6	units		Welding Machine Engine Driven (400 amp.)	Owned
6	units		Oxy/Acetylene Cutting Outfit	Owned
3	units		Generator Set (70 KVA minimum capacity)	Owned
4	units		Towerlight	Owned
2	units		Total Station Surveying Instrument	Owned
1	unit		Echo sounder	Owned
1	unit		Service pick up	Owned
1	unit		Service van	Owned
<p>Note: The equipment must be owned by the company and hence purchase agreement, lease agreement and memorandum of agreement to lease any of the equipment stated above are not allowed in this procurement project.</p>				
12	<p>Additional submittal in the first envelope during opening of bids.</p> <ol style="list-style-type: none"> <li>1. Certificate of site inspection with Inspection Report;</li> <li>2. Construction schedule and S-curve;</li> <li>3. Manpower schedule;</li> <li>4. Construction methods;</li> <li>5. Equipment utilization schedule; and</li> <li>6. Other requirements provided in the Scope of Works</li> </ol>			

15.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <p>a. The amount of not less than <b>Four Million Five Hundred Seventy-Six Thousand Eight Hundred Eighty Pesos Only (₱ 4,576,880.00)</b>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than <b>Eleven Million Four Hundred Forty-Two Thousand Two Hundred Pesos Only (₱ 11,442,200.00)</b> if bid security is in Surety Bond.</p>
19.2	<p>Partial bids are allowed, as follows:  <b>Not applicable</b></p>
20	<p>Other relevant government required permits and licenses.</p>
21	<p>Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.</p>

## ***Section IV. General Conditions of Contract***

## 1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

## 2. Sectional Completion of Works

If sectional completion is specified in the **Special Conditions of Contract (SCC)**, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

## 3. Possession of Site

3.1 The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the **SCC**, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.

3.2 If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

## 4. The Contractor's Obligations

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with **ITB** Clause 10.3 and specified in the **BDS**, to carry out the supervision of the Works.

The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

## **5. Performance Security**

- 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than the signing of the contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

## **6. Site Investigation Reports**

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the **SCC** supplemented by any information obtained by the Contractor.

## **7. Warranty**

- 7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the **SCC**.

## **8. Liability of the Contractor**

Subject to additional provisions, if any, set forth in the **SCC**, the Contractor's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Contractor is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

## **9. Termination for Other Causes**

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in **ITB** Clause 4.



## **10. Dayworks**

Subject to the guidelines on Variation Order in Annex “E” of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the **SCC**, the Dayworks rates in the Contractor’s Bid shall be used for small additional amounts of work only when the Procuring Entity’s Representative has given written instructions in advance for additional work to be paid for in that way.

## **11. Program of Work**

11.1. The Contractor shall submit to the Procuring Entity’s Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the **SCC**.

11.2. The Contractor shall submit to the Procuring Entity’s Representative for approval an updated Program of Work at intervals no longer than the period stated in the **SCC**. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity’s Representative may withhold the amount stated in the **SCC** from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

## **12. Instructions, Inspections and Audits**

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor’s accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

## **13. Advance Payment**

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the **SCC**, subject to the requirements in Annex “E” of the 2016 revised IRR of RA No. 9184.

## **14. Progress Payments**

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity’s Representative/Project Engineer. Except as otherwise stipulated in the **SCC**, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

## **15. Operating and Maintenance Manuals**

- 15.1. If required, the Contractor will provide “as built” Drawings and/or operating and maintenance manuals as specified in the **SCC**.
- 15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity’s Representative’s approval, the Procuring Entity’s Representative may withhold the amount stated in the **SCC** from payments due to the Contractor.

## ***Section V. Special Conditions of Contract***

# Special Conditions of Contract

GCC Clause	
2	The intended completion date is <b>Three Hundred Sixty (360) Calendar Days</b> from project start date.
4.1	The Start Date is within <b>seven (7) Calendar</b> days upon receipt of Notice to proceed, or as determined by the Procuring Entity.
6	The site investigation reports are: Narrative report supported by photographs with geotagging
7.2	Fifteen (15) years.
10	No dayworks are applicable to the contract.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative within sixty (60) days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is ten (10%) of total Contract amount.
13	The amount of the advance payment is fifteen (15%) of total Contract Price and payable in lump sum.
14	Materials and equipment delivered on the site but not completely put in place shall not be included for payment.
15.1	The date by which "as built" drawings are required is fourteen (14) calendar days before the completion of the Project.
15.2	The amount to be withheld for failing to produce "as built" drawings by the date required is 10% of contract amount.

## *Section VI. Specifications*

**SCOPE OF WORKS**  
**DREDGING AND RECLAMATION PROJECT AT PORT IRENE – PHASE II**  
**THIRD (3<sup>rd</sup>) ATTEMPT**

**I. Project Description**

1. The Cagayan Economic Zone Authority (CEZA) has commenced with the Retrofitting Works of Port Irene at Brgy. Casabalangan, Sta. Ana, Cagayan in order to improve the existing berthing capacity of the port facility. Complimentary with this undertaking is the Dredging and Reclamation Project at Port Irene in support of the proposed development of the Cagayan Special Economic Zone and Freeport (CSEZFP), particularly on the Rehabilitation and Development of Port Irene. The main objective of the dredging and reclamation project at Port Irene is to develop and serve as a full-service modern container transshipment terminal for the Luzon – South China growth area. The project will complement the other development areas like the San Vicente Wharf and Causeway (Roro Port), the construction and operation of the Lallo International Airport at Municipality of Lallo and the development of various development areas within the Zone.
2. In compliance with Presidential Decree No. 1586 entitled “Establishing the Philippine Environmental Impact Statement (EIS) System”, projects or undertakings that includes dredging and reclamation at Port Irene should be assessed of its impacts to the environment and to ensure that such effects are addressed by appropriate environmental protections and measures. This process is accomplished through the issuance of Environmental Compliance Certificate (ECC) by the Environmental Management Bureau (DENR-EMB).
3. The Cagayan Economic Zone Authority wishes to engage the services of a duly licensed and experienced contractor to undertake the Dredging and Reclamation Project at Port Irene – Phase II (3<sup>rd</sup> Attempt) as well as to comply with the requirements as stipulated in the ECC, and payment of any applicable fees and charges.

**II. Objectives**

1. To increase the vessel handling capability of Port Irene from the present 12,000 GRT/136 Meters LOA to 40,000 GRT/170 Meters LOA.
2. To prepare an area to contain dredged materials that will eventually increase the land area of Port Irene.
3. The efficient utilization of Port Irene will depend on the above-mentioned activities for the Dredging and Reclamation Project at Port Irene – Phase II (Third (3<sup>rd</sup>) Attempt) and the acquisition of all necessary environmental clearances and/or amendments from the issued ECC in accordance with the Implementing Rules and

Regulations of PD 1586 specifically DENR Administrative Order No. 30 Series of 2003 (DAO 03-30) and its related and applicable issuances.

4. This Scope of Work (SOW) shall serve as guide to all interested eligible and qualified bidders for the Dredging and Reclamation Project at Port Irene – Phase II (3<sup>rd</sup> Attempt).

### **III. Scope of Work**

The scope of work includes but not limited to the following activities:

1. Mobilization of appropriate equipment for the construction of containment dike
2. Acquisition of possible quarry sites for the supply of rock materials and payment of appropriate and applicable dues for extraction
3. Supply and delivery of Armour Rocks (7 tons max), filter course (200 kg. to 1 ton) and Run of Quarry Rock at project site.
4. Installation of Armour Rocks (7 tons max), filter course (200 kg. to 1 ton) and Run of Quarry Rocks, above water and below water.
5. Removal and disposal of soft material along the alignment of the containment dike 0.5 to 1 meter below the seabed.
6. Installation of two (2) billboards at the project site.
7. Conduct seabed profile survey to include Topographic and Bathymetric survey for construction plans and maps.
8. Design and build of containment dike with a top elevation equivalent to the level of Port Irene structure (4 Meters from Mean Low-Low Water Level (MLLWL))

### **IV. Performance Specifications and Parameters**

The Contractor shall:

1. Be responsible for the submission of documents and accomplishment of the activities as mentioned in Section III “Scope of Work”.
2. Hire and pay professionals, technicians, laborers and needed workers and provide them with necessary equipment, vehicles and tools.
3. Pay all necessary fees including laboratory and testing.

4. Install two (2) billboards of 1/2" x 4' x 8' marine plywood at the entrance gates printed with the suggested statement as mentioned in the terms and condition of the issued ECC.
5. Conduct seabed profile survey to include Topographic and Bathymetric survey for construction plans and maps.
6. In case there is an amendment to the issued ECC, the contractor must comply with the additional requirements for Phase II project.

The Proponent shall:

1. Provide the Contractor the necessary data, plans, feature of the project and all other documents in its possession related to the preparation of detailed engineering design and plans.
2. Release mobilization fee of fifteen percent (15%) of the contract cost upon the issuance of Notice to Proceed and progressive payment during the construction of containment dikes and the final payment of one hundred percent (100%) upon completion.
3. Provide technical supervisors during the construction of the containment dike.

#### **V. Qualifications of the Contractor**

The Contractor shall have the following qualifications:

1. PCAB License "A" with Category Medium B for (GE-5) Port, Harbor or Offshore Engineering and Security and Exchange Commission (SEC) or the Department of Trade and Industry (DTI).
2. With valid Mayor's Permit.
3. Experience in undertaking Port, Harbor or Offshore Engineering works within the last five (5) years from the last day of submission of bid.
4. Must have the necessary equipment needed for the construction of containment dike.
5. The prospective bidder must have a Certificate of Site Inspection issued by the Infrastructure and Maintenance Division of the Cagayan Economic Zone Authority.
6. The prospective bidder must submit a validated Site Inspection Report noted by Engineer Julian Jovy B. Gonzales.



## VI. Personnel and Manpower Requirements

The Contractor shall provide and deploy personnel upon commencement of activities. These shall include as follows:

Key Personnel	General Experience (years)	Relevant Experience (years)
Project Manager (Licensed Civil Engineer)	25	<ul style="list-style-type: none"> <li>- At least minimum 15 years of experience as Project Manager in General Engineering with Specialization in the Construction of Ports and Marine Civil Work Projects of which, a minimum of 15 years of experience in Port Project(s).</li> <li>- In addition, has also managed/supervised a construction project with a minimum amount of Php200M.</li> <li>- Currently employed with the company for at least five (5) years.</li> </ul>
Project Engineer (Licensed Civil Engineer)	15	<ul style="list-style-type: none"> <li>- At least 10 years of experience as Project Engineer in General Engineering with Specialization in the Construction of Ports and Marine Civil Work Projects of which, a minimum of 10 years of experience in Port Project(s).</li> <li>- In addition, has also managed/supervised a construction project with a minimum amount of Php200M.</li> <li>- Currently employed with the company for at least two (2) years.</li> </ul>
Structural Engineer (Licensed Civil Engr.)	15	<ul style="list-style-type: none"> <li>- At least 12 years of design experience as Principal Structural Engineer and at least a PhD in Civil Engineering related to Structural Engineering.</li> <li>- Must be involved in five (5) maritime projects</li> </ul>
Coastal Engineer	3	<ul style="list-style-type: none"> <li>- Coastal engineer with PhD in Coastal Engineering</li> </ul>

2 – Junior Engr/Field Engr. (Licensed Civil Engineer)	3	<ul style="list-style-type: none"> <li>- At least 3 years of experience as Junior Engineer/ Field Engineer in General Engineering with Specialization in the Construction of Ports and Marine Civil Work Projects of which, a minimum of 3 years of experience in Port Project(s).</li> <li>- In addition, has also managed/supervised a construction project with a minimum amount of Php100M.</li> <li>- Currently employed with the company for at least one (1) year.</li> </ul>
Geodetic Engineer (Licensed Geodetic Engr.)	5	<ul style="list-style-type: none"> <li>- With at least 3 years of related experience</li> </ul>
Materials Engineer II (DPWH Accredited)	3	<ul style="list-style-type: none"> <li>- With at least 3 years of related experience</li> </ul>
Safety Officer	3	<ul style="list-style-type: none"> <li>- With at least 3 years of related safety experience and had attended at least 40 hours of Construction Occupational Safety and Health (COSH) training from DOLE and with at least one (1) year experience.</li> </ul>
General Foreman	25	<ul style="list-style-type: none"> <li>- With at least 15 years of related Construction of Ports and Civil Works Projects.</li> </ul>
Marine Civil Works Foreman	15	<ul style="list-style-type: none"> <li>- With at least 10 years of related in the Construction of Ports and Marine Civil Works Projects</li> </ul>
Certified Scuba Diver	3	<ul style="list-style-type: none"> <li>- With at least 3 years of related experience</li> </ul>

Note: The equipment must be owned by the company and hence purchase agreement, lease agreement and memorandum of agreement to lease any of the equipment stated above are not allowed in this procurement project.

## VII. Equipment Requirements

The Contractor must have the following equipment to be used in the project:

QTY	UNIT	DESCRIPTION	REMARKS
1	unit	Grab Dredger with minimum capacity; 2000 DWT Steel Barge, Marine Crane with attachment of two (2) units - three (3) cu.m clamshell grab; two (2) units - two and a half (2.50) cu.m Orange Peel Grab; One (1) unit - seven (7) ton Rock Crusher and a seven hundred (700) cu.m Cargo Hold Capacity	Owned
1	unit	Barge Crane with minimum capacity; 1000 DWT Steel Barge, 150 tonner crane with lattice type boom	Owned
1	unit	Material Barge (2000 DWT)	Owned
1	unit	Tugboat (1200 hp)	Owned
1	unit	Tugboat (700 hp)	Owned
1	unit	Service boat / outboard motor (40 HP engine minimum capacity)	Owned
1	unit	Rough Terrain Crane (25 ton minimum capacity)	Owned
1	unit	Service Boomtruck	Owned
4	units	Backhoe (0.90 cu.m capacity)	Owned
2	unit	Payloader	Owned
4	units	Dumprtruck	Owned
6	units	Welding Machine Engine Driven (400 amp.)	Owned
6	units	Oxy/Acetylene Cutting Outfit	Owned
3	units	Generator Set (70 KVA minimum capacity)	Owned
4	units	Towerlight	Owned
2	units	Total Station Surveying Instrument	Owned
1	unit	Echo sounder	Owned
1	unit	Service pick up	Owned
1	unit	Service van	Owned

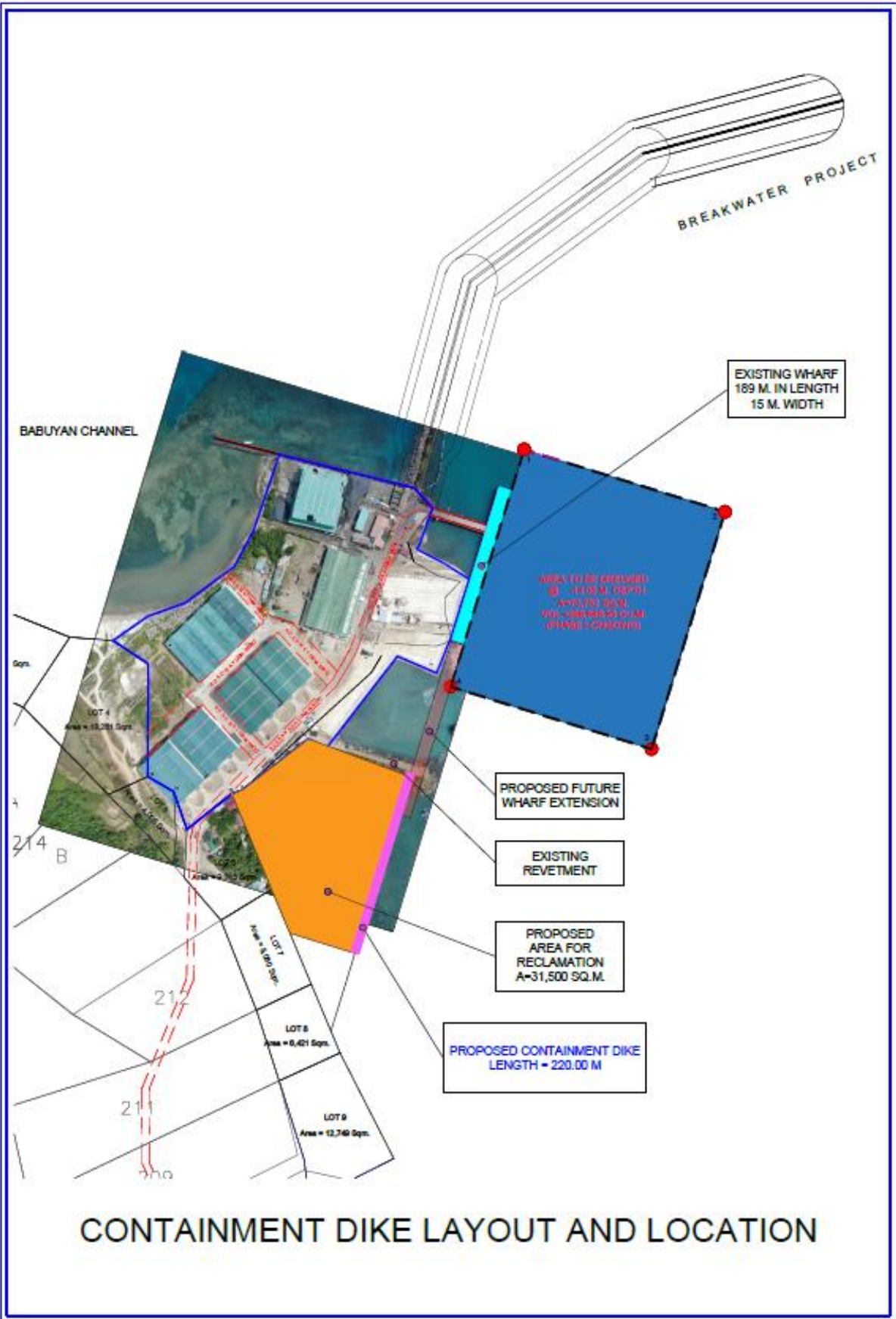
## VIII. Equipment and Facilities to be Provided by the Contractor

The contractor shall provide for its own office and office space for CEZA engineers. Supplies, office equipment, materials and transportation facilities such as brand-new and latest model SUV/MPV service vehicle for the Engineers of CEZA shall likewise be provided by the Contractor. Temporary facilities for the contractor's workers shall likewise be provided by the contractor. Upon termination or expiration of the Contract, such office equipment, supplies and materials, brand-new and latest model SUV/MPV service vehicle shall be disposed off in accordance with the CEZA's instruction.

## **IX. Project Duration**

The Dredging and Reclamation Project at Port Irene – Phase II (Third (3<sup>rd</sup>) Attempt) at Brgy. Casambalangan, Sta. Ana, Cagayan should be completed within 360 calendar days upon receipt of Notice to Proceed from CEZA.

## *Section VII. Drawings*



## *Section VIII. Bill of Quantities*

## ***Section IX. Checklist of Technical and Financial Documents***

### **Notes on the Checklist of Technical and Financial Documents**

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

- a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or
- b. any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary “pass/fail” criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.



# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class "A" Documents*

#### Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

#### Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**
- (d) Special PCAB License in case of Joint Ventures **and** registration for the type and cost of the contract to be bid; **and**
- (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission **or** original copy of Notarized Bid Securing Declaration; **and**
- (f) Project Requirements, which shall include the following:
- a. Organizational chart for the contract to be bid;
- b. List of contractor's key personnel (*e.g.*, Project Manager, Project Engineers, Structural Engineers, Coastal Engineers, Junior/Field Engineers, Geodetic Engineers, Materials Engineers, Safety Officers, Certified Scuba Divers and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;
- c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**
- (g) Original duly signed Omnibus Sworn Statement (OSS) **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.
- (h)
- a. Certificate of site inspection with Inspection Report;
- b. Construction schedule and S-curve;
- c. Manpower schedule;

- d. Construction methods;
- e. Equipment utilization schedule; and
- f. Other requirements provided in the Scope of Works

Financial Documents

- (i) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

***Class "B" Documents***

- (j) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence **or** duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

**II. FINANCIAL COMPONENT ENVELOPE**

- (k) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

- (l) Original of duly signed Bid Prices in the Bill of Quantities; **and**
- (m) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; **and**
- (n) Cash Flow by Quarter.

Republic of the Philippines



Government Procurement Policy Board

**SCOPE OF WORKS**  
**DREDGING AND RECLAMATION PROJECT AT PORT IRENE – PHASE II**  
**THIRD (3<sup>rd</sup>) ATTEMPT**

**I. Project Description**

1. The Cagayan Economic Zone Authority (CEZA) has commenced with the Retrofitting Works of Port Irene at Brgy. Casambalangan, Sta. Ana, Cagayan in order to improve the existing berthing capacity of the port facility. Complimentary with this undertaking is the Dredging and Reclamation Project at Port Irene in support of the proposed development of the Cagayan Special Economic Zone and Freeport (CSEZFP), particularly on the Rehabilitation and Development of Port Irene. The main objective of the dredging and reclamation project at Port Irene is to developed and serve as a full-service modern container transshipment terminal for the Luzon – South China growth area. The project will complement the other development areas like the San Vicente Wharf and Causeway (Roro Port), the construction and operation of the Lallo International Airport at Municipality of Lallo and the development of various development areas within the Zone.
2. In compliance with Presidential Decree No. 1586 entitled “Establishing the Philippine Environmental Impact Statement (EIS) System”, projects or undertakings that includes dredging and reclamation at Port Irene should be assessed of its impacts to the environment and to ensure that such effects are addressed by appropriate environmental protections and measures. This process is accomplished through the issuance of Environmental Compliance Certificate (ECC) by the Environmental Management Bureau (DENR-EMB).
3. The Cagayan Economic Zone Authority wishes to engage the services of a duly licensed and experienced contractor to undertake the Dredging and Reclamation Project at Port Irene – Phase II (3<sup>rd</sup> Attempt) as well as to comply with the requirements as stipulated in the ECC, and payment of any applicable fees and charges.

**II. Objectives**

1. To increase the vessel handling capability of Port Irene from the present 12,000 GRT/136 Meters LOA to 40,000 GRT/170 Meters LOA.
2. To prepare an area to contain dredged materials that will eventually increase the land area of Port Irene.
3. The efficient utilization of Port Irene will depend on the above-mentioned activities for the Dredging and Reclamation Project at Port Irene – Phase II (Third (3<sup>rd</sup>) Attempt) and the acquisition of all necessary environmental clearances and/or amendments from the issued ECC in accordance with the Implementing Rules and

Regulations of PD 1586 specifically DENR Administrative Order No. 30 Series of 2003 (DAO 03-30) and its related and applicable issuances.

4. This Scope of Work (SOW) shall serve as guide to all interested eligible and qualified bidders for the Dredging and Reclamation Project at Port Irene – Phase II (3<sup>rd</sup> Attempt).

### **III. Scope of Work**

The scope of work includes but not limited to the following activities:

1. Mobilization of appropriate equipment for the construction of containment dike
2. Acquisition of possible quarry sites for the supply of rock materials and payment of appropriate and applicable dues for extraction
3. Supply and delivery of Armour Rocks (7 tons max), filter course (200 kg. to 1 ton) and Run of Quarry Rock at project site.
4. Installation of Armour Rocks (7 tons max), filter course (200 kg. to 1 ton) and Run of Quarry Rocks, above water and below water.
5. Removal and disposal of soft material along the alignment of the containment dike 0.5 to 1 meter below the seabed.
6. Installation of two (2) billboards at the project site.
7. Conduct seabed profile survey to include Topographic and Bathymetric survey for construction plans and maps.
8. Design and build of containment dike with a top elevation equivalent to the level of Port Irene structure (4 Meters from Mean Low-Low Water Level (MLLWL))

### **IV. Performance Specifications and Parameters**

The Contractor shall:

1. Be responsible for the submission of documents and accomplishment of the activities as mentioned in Section III “Scope of Work”.
2. Hire and pay professionals, technicians, laborers and needed workers and provide them with necessary equipment, vehicles and tools.
3. Pay all necessary fees including laboratory and testing.
4. Install two (2) billboards of 1/2” x 4’x 8’ marine plywood at the entrance gates printed with the suggested statement as mentioned in the terms and condition of the issued ECC.
5. Conduct seabed profile survey to include Topographic and Bathymetric survey for construction plans and maps.
6. In case there is an amendment to the issued ECC, the contractor must comply with the additional requirements for Phase II project.

The Proponent shall:

1. Provide the Contractor the necessary data, plans, feature of the project and all other documents in its possession related to the preparation of detailed engineering design and plans.
2. Release mobilization fee of fifteen percent (15%) of the contract cost upon the issuance of Notice to Proceed and progressive payment during the construction of

containment dikes and the final payment of one hundred percent (100%) upon completion.

3. Provide technical supervisors during the construction of the containment dike.

## V. Qualifications of the Contractor

The Contractor shall have the following qualifications:

1. PCAB License “A” with Category Medium B for (GE-5) Port, Harbor or Offshore Engineering and Security and Exchange Commission (SEC) or the Department of Trade and Industry (DTI).
2. With valid Mayor’s Permit.
3. Experience in undertaking Port, Harbor or Offshore Engineering works within the last five (5) years from the last day of submission of bid.
4. Must have the necessary equipment needed for the construction of containment dike.
5. The prospective bidder must have a Certificate of Site Inspection issued by the Infrastructure and Maintenance Division of the Cagayan Economic Zone Authority.
6. The prospective bidder must submit a validated Site Inspection Report noted by Engineer Julian Jovy B. Gonzales.

## VI. Personnel and Manpower Requirements

The Contractor shall provide and deploy personnel upon commencement of activities. These shall include as follows:

Key Personnel	General Experience (years)	Relevant Experience (years)
Project Manager (Licensed Civil Engineer)	25	<ul style="list-style-type: none"> <li>- At least minimum 15 years of experience as Project Manager in General Engineering with Specialization in the Construction of Ports and Marine Civil Work Projects of which, a minimum of 15 years of experience in Port Project(s).</li> <li>- In addition, has also managed/supervised a construction project with a minimum amount of Php200M.</li> <li>- Currently employed with the company for at least five (5) years.</li> </ul>

Project Engineer (Licensed Civil Engineer)	15	<ul style="list-style-type: none"> <li>- At least 10 years of experience as Project Engineer in General Engineering with Specialization in the Construction of Ports and Marine Civil Work Projects of which, a minimum of 10 years of experience in Port Project(s).</li> <li>- In addition, has also managed/supervised a construction project with a minimum amount of Php200M.</li> <li>- Currently employed with the company for at least two (2) years.</li> </ul>
Structural Engineer (Licensed Civil Engr.)	15	<ul style="list-style-type: none"> <li>- At least 12 years of design experience as Principal Structural Engineer and at least a PhD in Civil Engineering related to Structural Engineering.</li> <li>- Must be involved in five (5) maritime projects</li> </ul>
Coastal Engineer	3	<ul style="list-style-type: none"> <li>- Coastal engineer with PhD in Coastal Engineering</li> </ul>
2 – Junior Engr/Field Engr. (Licensed Civil Engineer)	3	<ul style="list-style-type: none"> <li>- At least 3 years of experience as Junior Engineer/ Field Engineer in General Engineering with Specialization in the Construction of Ports and Marine Civil Work Projects of which, a minimum of 3 years of experience in Port Project(s).</li> <li>- In addition, has also managed/supervised a construction project with a minimum amount of Php100M.</li> <li>- Currently employed with the company for at least one (1) year.</li> </ul>
Geodetic Engineer (Licensed Geodetic Engr.)	5	<ul style="list-style-type: none"> <li>- With at least 3 years of related experience</li> </ul>
Materials Engineer II (DPWH Accredited)	3	<ul style="list-style-type: none"> <li>- With at least 3 years of related experience</li> </ul>

Safety Officer	3	- With at least 3 years of related safety experience and had attended at least 40 hours of Construction Occupational Safety and Health (COSH) training from DOLE and with at least one (1) year experience.
General Foreman	25	- With at least 15 years of related Construction of Ports and Civil Works Projects.
Marine Civil Works Foreman	15	- With at least 10 years of related in the Construction of Ports and Marine Civil Works Projects
Certified Scuba Diver	3	- With at least 3 years of related experience

Note: The equipment must be owned by the company and hence purchase agreement, lease agreement and memorandum of agreement to lease any of the equipment stated above are not allowed in this procurement project.

## VII. Equipment Requirements

The Contractor must have the following equipment to be used in the project:

QTY	UNIT	DESCRIPTION	REMARKS
1	unit	Grab Dredger with minimum capacity; 2000 DWT Steel Barge, Marine Crane with attachment of two (2) units - three (3) cu.m clamshell grab; two (2) units - two and a half (2.50) cu.m Orange Peel Grab; One (1) unit - seven (7) ton Rock Crusher and a seven hundred (700) cu.m Cargo Hold Capacity	Owned
1	unit	Barge Crane with minimum capacity; 1000 DWT Steel Barge, 150 tonner crane with lattice type boom	Owned
1	unit	Material Barge (2000 DWT)	Owned
1	unit	Tugboat (1200 hp)	Owned
1	unit	Tugboat (700 hp)	Owned



1	unit	Service boat / outboard motor (40 HP engine minimum capacity)	Owned
1	unit	Rough Terrain Crane (25 ton minimum capacity)	Owned
1	unit	Service Boomtruck	Owned
4	units	Backhoe (0.90 cu.m capacity)	Owned
2	unit	Payloader	Owned
4	units	Dumptruck	Owned
6	units	Welding Machine Engine Driven (400 amp.)	Owned
6	units	Oxy/Acetylene Cutting Outfit	Owned
3	units	Generator Set (70 KVA minimum capacity)	Owned
4	units	Towerlight	Owned
2	units	Total Station Surveying Instrument	Owned
1	unit	Echo sounder	Owned
1	unit	Service pick up	Owned
1	unit	Service van	Owned

### **VIII. Equipment and Facilities to be Provided by the Contractor**

The contractor shall provide for its own office and office space for CEZA engineers. Supplies, office equipment, materials and transportation facilities such as brand-new and latest model SUV/MPV service vehicle for the Engineers of CEZA shall likewise be provided by the Contractor. Temporary facilities for the contractor's workers shall likewise be provided by the contractor. Upon termination or expiration of the Contract, such office equipment, supplies and materials, brand-new and latest model SUV/MPV service vehicle shall be disposed off in accordance with the CEZA's instruction.

### **IX. Project Duration**

The Dredging and Reclamation Project at Port Irene – Phase II (Third (3<sup>rd</sup>) Attempt) at Brgy. Casambalangan, Sta. Ana, Cagayan should be completed within 360 calendar days upon receipt of Notice to Proceed from CEZA.